

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

U 014848-4

APPLICANT

Mark Justin BETTS, et al.

FILING DATE

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	AA	3	2	3	9	5	6	6		3/1966	Slaugh et al.	260	604	
	AB	3	2	3	9	5	6	9		3/1966	Slaugh et al.	260	632	
	AC	3	2	3	9	5	7	0		3/1966	Slaugh et al.	260	632	
	AD	3	2	3	9	5	7	1		3/1966	Slaugh et al.	260	632	
	AE	3	3	6	9	0	5	0		2/1968	Greene	260	632	
	AF	3	4	2	0	8	9	8		1/1969	Van Winkle et al.	260	632	
	AG	3	4	4	0	2	9	1		4/1969	Van Winkle et al.	260	632	
	AH	3	4	4	8	1	5	7		6/1969	Slaugh et al.	260	604	
	AI	3	4	4	8	1	5	8		6/1969	Slaugh et al.	260	604	
JP	AJ	3	5	2	7	8	0	9		9/1970	Pruett et al.	260	604	
	AK	3	5	2	7	8	1	8		9/1970	Mason et al.	260	632	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
JP	AL	1	2	5	4	0	6	3		11/1971	GB			x
	AM	1	3	3	8	2	3	7		11/1973	GB			x
	AN	1	5	4	0	2	2	7		2/1979	GB			x
	AO	1	5	5	5	5	5	1		11/1979	GB			x
JP	AP	1	5	6	1	2	7	3		2/1980	GB			x

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

JP	AR	Dry, M. E. "The Fischer-Tropsch Synthesis." Catalysis Science & Technology, Vol. 1 (1979) pp 159-255.												
	AS	"301 E Modified OECD Screening Test." OECD Council Directive, Guidelines for Testing of Chemicals, Test 301E Date unclear												
JP	AT	Gerhartz, W. Et al. "Chlorophenols to Copper Compounds." Ullmann's Encyclopedia of Industrial Chemistry, Vol. A7, (1986) pp 206-216.												

EXAMINER

DATE CONSIDERED

J-Pen

10/1/04

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( Form PTO-1449 ) [6-4] )

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<i>JP</i>	AA	3	7	3	7	4	7	5	6/1973	Mason	260	683.15	
	AB	3	8	7	5	2	0	4	4/1975	Ghirga et al.	260	465.3	
	AC	4	1	7	9	4	0	3	12/1979	Kim et al.	252	431	
	AD	4	1	9	8	3	5	2	4/1980	Kim et al.	260	604	
	AE	4	3	3	0	6	7	8	5/1982	Van Leeuwen et al.	568	454	
	AF	4	4	0	8	0	7	8	10/1983	Van Leeuwen et al.	568	454	
	AG	4	4	1	4	4	2	1	11/1983	Drent	568	462	
	AH	4	4	6	7	1	1	6	8/1984	Van Leeuwen et al.	568	454	
	AI	4	5	3	7	9	9	7	8/1985	Kojima et al.	568	454	
	AJ	4	5	9	0	3	1	1	5/1986	Drent	568	852	
<i>JP</i>	AK	4	6	8	0	1	6	8	7/1987	Goodall et al.	423	22	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<i>JP</i>	AL	2	0	7	5	8	5	7	11/1981	GB			x	
	AM	2	2	1	7	3	1	8	10/1989	GB			x	
	AN	2	2	5	6	6	4	1	12/1992	GB			x	
	AO	2	2	6	1	6	6	2	5/1993	GB			x	
<i>JP</i>	AP	2	2	7	4	4	5	7	7/1994	GB			x	

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>JP</i>	AR	Mark, H. F. Et al. "Oxo Process." Kirk-Othmer Encyclopedia of Chemical Technology, Third Edition, Vol. 16 (1989) pp 637-653.
<i>JP</i>	AS	Cornils, B. Et al. "Oxo with Rhodium Catalysts." Hydrocarbon Processing (June 1975) pp 83-91
<i>JP</i>	AT	Lemke, H. "Select Best Oxo Catalyst Cycle." Hydrocarbon Processing, Vol. 45, No. 2 (February 1966) pp148-152

EXAMINER

DATE CONSIDERED

*J. Penn*

10/1/04

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(Form PTO-1449) [8-4]

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JP	AA	4	7	2	3	0	4	7	2/1988	Bahrman et al.	568	862	
	AB	4	7	3	1	4	8	7	3/1988	Drent	568	454	
	AC	4	8	0	6	6	9	3	2/1989	Drent	568	417	
	AD	4	8	5	1	5	8	2	7/1989	Drent	568	387	
	AE	5	1	8	9	0	0	3	2/1993	Klusener et al.	502	167	
	AF	5	2	1	0	2	8	0	5/1993	Drent	560	204	
	AG	5	2	1	4	2	2	0	5/1993	Drent	568	881	
	AH	5	2	5	6	8	2	7	10/1993	Slaugh et al.	568	454	
	AI	5	2	5	8	5	4	6	11/1993	Klusener et al.	560	207	
	AJ	5	2	5	8	5	2	4	11/1993	Quan et al.	548	335.1	
	AK	5	3	0	4	6	8	6	4/1994	Slaugh et al.	568	496	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
JP	AL	0	0	0	5	5	6	9	11/1979	EP			x	
	AM	0	0	2	4	7	6	1	3/1981	EP			x	
	AN	0	0	3	3	5	5	4	8/1981	EP			x	
	AO		9	3	9	2	9	2	12/1993	ZA			x	
JP	AP	0	1	6	3	2	3	4	5/1985	EP				x

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	
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EXAMINER	DATE CONSIDERED	JP 10/1/04

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JP	AA	5	3	0	4	6	9	1		4/1994	Arhancet et al.	568	867	
	AB	4	4	4	3	6	3	8		4/1984	Yates	568	882	
	AC	4	5	7	7	9	8	6		4/1996	Sie	585	324	
	AD	4	5	7	8	5	2	3		3/1986	Bahmann et al.	568	454	
	AE	5	0	7	2	0	5	7		10/1991	Oswald et al.	568	840	
	AF	5	2	2	7	5	3	2		7/1993	Sato et al.	568	454	
JP	AG	5	4	9	8	8	0	1		3/1996	Chaudhari et al.	568	454	
	AH													
	AI													
	AJ													
	AK													

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
JP	AL	0	3	0	9	0	5	6		9/1988	EP			x	
	AM	0	4	2	3	8	7	4		4/1991	EP			x	
	AN	0	4	7	8	8	5	0		4/1992	EP			x	
JP	AO	0	4	9	5	5	4	8		7/1992	EP			x	
JP	AP	0	4	9	9	3	2	8		8/1992	EP			x	

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 014848-4

10/680,555

APPLICANT

MARK JUSTIN BETTS et al.

FILING DATE

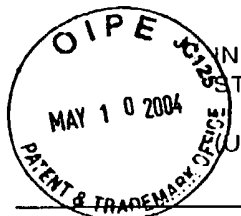
GROUP

10/07/2003

1621

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)



## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA	4,052,477	10/1977	Ireland et al.	
	AB	5,520,722	05/1996	Hershkowitz et al.	
	AC				
	AD				
	AE				
	AF				
	AG				
	AH				
	AI				
	AJ				
	AK				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AL					
	AM					
	AN					
	AO					
	AP					
	AQ					

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Dry, Mark E. "The Sasol Fischer-Tropsch Processes". Sasol Technology (PTY) Limited, Sasolburg, South Africa. Chapter 5, pages 167-211	Date unknown
dyf	AS	Di Sanzo, F.P. et al. "Determination of Total Oxygenates in Fischer-Tropsch Liquid Products," <i>Journal of Chromatography</i> , (1983), 280: 101-108	
	AT	Van Leeuwen et al. "Dormant states of rhodium hydroformylation catalysts" <i>Chem Comm</i> <del>Communication</del> , <a href="http://www.rsc.org/chemcomm">www.rsc.org/chemcomm</a> , pages 1-3	Date unknown

EXAMINER

J. Pen

DATE CONSIDERED 10/11/04

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Mark Justin BETTS, et al

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
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	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
JP	AL	9 4 2 0 5 1 0	9/1994	WO				
JP	AM	2 1 1 1 0 2 6	6/1994	CA				
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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FORM PTO-1449 U. S DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		ATTY. DOCKET NO. <b>U 014848-4</b>		SERIAL NO. <b>10/680,555</b>	
APPLICANT <b>Mark Justin BETTS, et al</b>					
FILING DATE <b>October 7, 2003</b>				GROUP <b>1621</b>	

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA				
	AB				
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	AG				
	AH				
	AI				
	AJ				
	AK				

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AL	881 791	7/1953	DE		x
JP	AM	870 248	3/1953	DE		x
↓	AN	902 492	1/1954	DE		x
↓	AO	907 170	3/1954	DE		x
↓	AP	879 837	6/1953	DE		x

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
JP	AR	Partial English translation of DE 881 791 (D5) of 7/1953
JP	AS	Partial English translation of DE 870 248 (D14) of 3/1953
JP	AT	Partial English translation of DE 902 492 (D8) of 1/1954

EXAMINER <b>J. Pann</b>	DATE CONSIDERED <b>10/11/04</b>
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		U 014848-4		10/680,555	
		APPLICANT			
		Mark Justin BETTS, et al			
		FILING DATE		GROUP	
October 7, 2003		1621			

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
	AA				
	AB				
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	AD				
	AE				
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	AH				
	AI				
	AJ				
	AK				

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
JP	AL	854 216	10/1952	DE		x
JP	AM	874 304	4/1953	DE		x
JP	AN	936 333	12/1955	DE		x
JP	AO	640 115	7/1950	GB		
	AP					

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
JP	AR	Partial English translation of DE 907 170 (D9) of 3/1954
JP	AS	Partial English translation of parts of DE 897 837 (D10) of 6/1953
JP	AT	Partial English translation of DE 854 216 (D11) of 10/1952

EXAMINER <span style="float: right;">J. Pomeroy</span>	DATE CONSIDERED 10/01/04
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		<b>APPLICANT</b>			
		Mark Justin BETTS, et al			
		<b>FILING DATE</b>		<b>GROUP</b>	
		October 7, 2003		1621	
<b>U.S. PATENT DOCUMENTS</b>					
<b>EXAMINER INITIALS</b>	<b>REFERENCE DESIGNATIO</b>	<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>FILING DATE IF APPROPRIATE</b>
	AA				
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<b>FOREIGN PATENT DOCUMENTS</b>					
		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>TRANSLATION</b>
					<b>YES</b> <b>NO</b>
	AL				
	AM				
	AN				
	AO				
	AP				
<b>OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)</b>					
JP	AR	Partial English translation of DE 874 304 (D12) of 4/1953			
JP	AS	Partial English translation of DE 936 333 (D14) of 12/ 1955			
	AT				
<b>EXAMINER</b> <i>J. D. Jones</i>			<b>DATE CONSIDERED</b> 10/11/04		
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